

Axiall PVC 5055

Rigid Polyvinyl Chloride

Axiall Corporation

Message:

Georgia Gulf 5055 is a special purpose rigid PVC compound designed for applications requiring the following properties:

- Toughness
- UL Rating
- Ease of Processing
- Durability
- Chemical Resistance
- NSF Standard 51 listed (selected colors)

General Information	
UL YellowCard	E53006-243309
Features	Durable
	Good Chemical Resistance
	Good Processability
	Good Toughness
Uses	Outdoor Furnishings
	Profiles
Agency Ratings	NSF 51
Appearance	Light Beige
	White
Forms	Pellets
Processing Method	Extrusion
	Profile Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity			ASTM D792
Natural	1.42	g/cm ³	
White	1.47	g/cm ³	
PVC Cell Classification	14422433		ASTM D4216
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	116		ASTM D785
Durometer Hardness (Shore D)	81		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2970	MPa	ASTM D638
Tensile Strength	41.4	MPa	ASTM D638
Flexural Modulus	2790	MPa	ASTM D790

Flexural Strength	75.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
23°C, 3.18 mm	1200	J/m	
23°C, 6.35 mm	910	J/m	
Tensile Impact Strength	158	kJ/m ²	ASTM D1822
Drop Impact Resistance ¹	147	J/cm	ASTM D4226
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	71.0	°C	ASTM D648
CLTE - Flow	6.5E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating	V-0		UL 94
Extrusion	Nominal Value	Unit	
Melt Temperature	182	°C	
NOTE			
1.	Procedure A, H.25		

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